

Data Sheet no. 3.63/1

Chopping Spark Gaps Type AFS

Application

Chopping spark gaps type AFS can be used for chopping of impulse voltages between 20 kV and 500 kV. The chopping can be realised at the front or at the tail of the impulse.

Design

The chopping spark gaps type AFS consists of GFR column, a movable basic frame with wheels and electrodes. The adjustment of the gap space is effected by a motor drive. The motor drive is controlled by key-switches from the control device. The triggering signal from the control is transmitted to the ignition generator (see Data sheet 3.18) of the spark gap via a fibre optic link.

Technical Parameters

Rated voltages:	see Table 1
Duty cycle:	continuous operation
Environmental conditions:	temperature 0 to 40° C relative humidity ≤ 90% altitude ≤ 1000 m indoor operation
Reference conditions:	20° C; 11 g/m ³ 101.3 kPa
Dimensions and weights:	see Table 1

Type Designation

AFS a/b

Technical parameter:

a diameter of electrodes in mm
b rated voltage in kV

Example: AFS 300 /300 is a chopping spark gap of 300 kV rated voltage with electrodes ø 300 mm

Electrical main parameters, dimensions, weights

Type	Maximum chopping voltage	Related to impulse generator	Height H	Base frame Length x Width L x B	Diameter of electrodes ø K	Weight
	kV	kV	mm	mm	mm	kg
AFS 300 / 300	300	300	1560	750 x 500	300	75
AFS 500 / 550	550	600	1840	1200 x 600	500	110

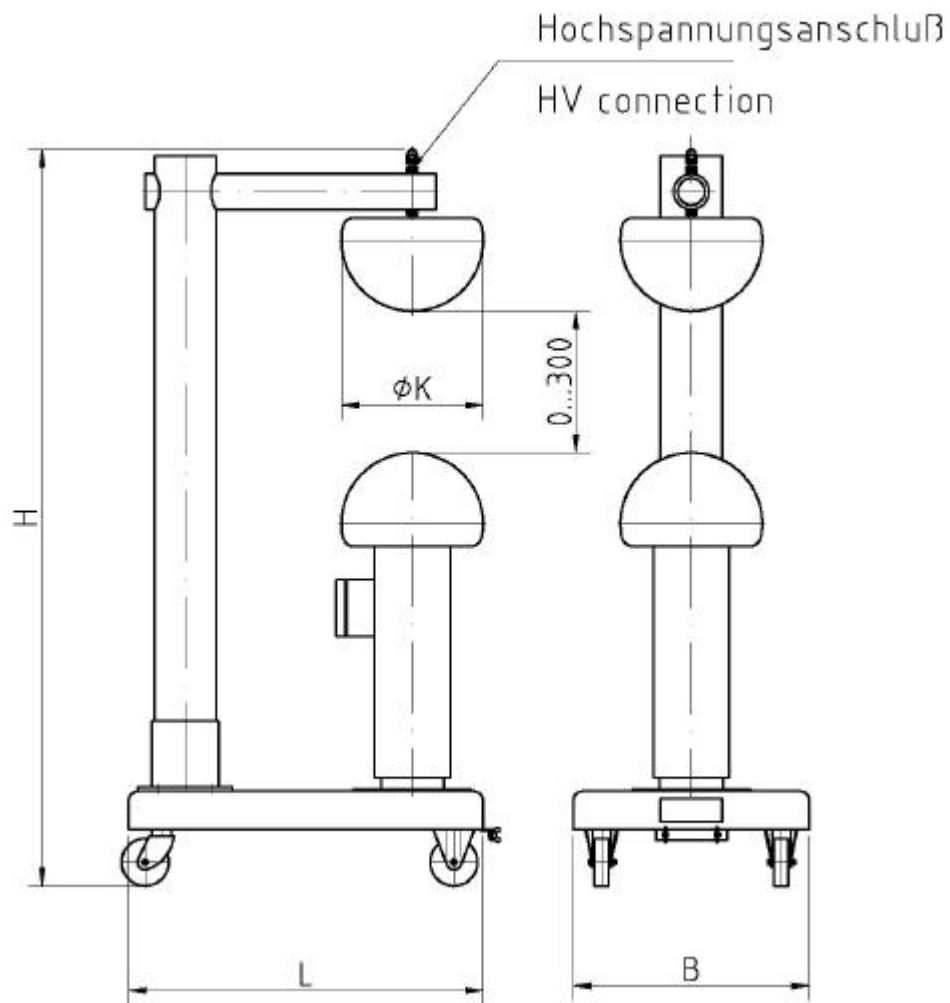


Fig. 1 Dimensional drawing of Chopping Spark Gap

For further information please contact:

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